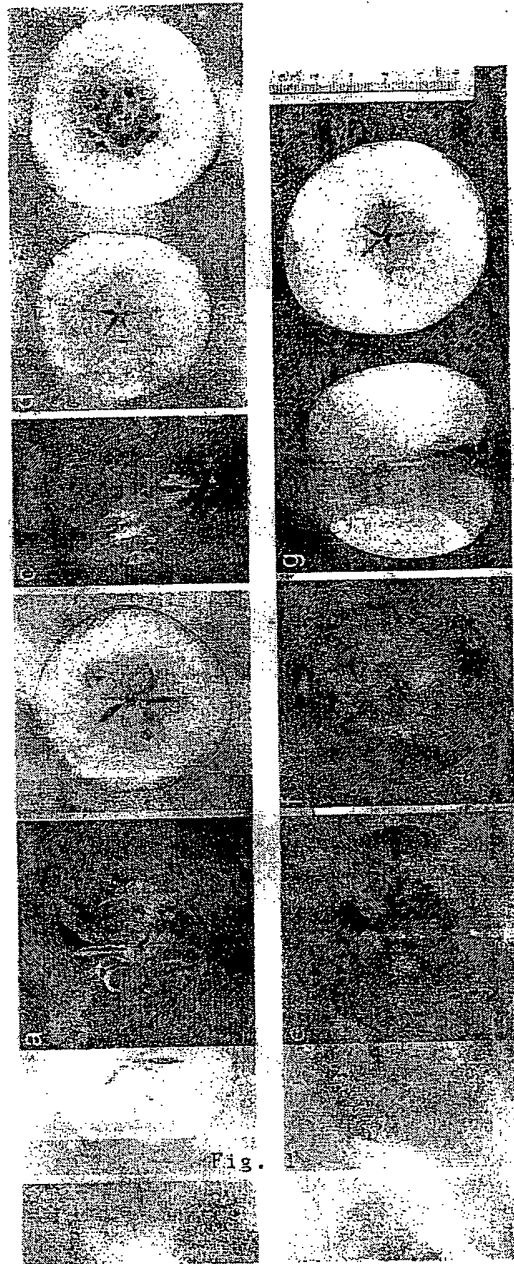


1/4



2/4

P1 → P5 →  
 ATGGGACGTGGGAAGGTTGAGATCAAGAGGATTGAGAAGTCAAGTAACAGGCAGGTGACC  
 M G R G K V E I K R I E N S S N R Q V T

TACTCCAAGAGGAGGAATGGGATTATCAAGAAGGCAAAGGAGATCACTGTTCTATGTGAT  
 Y S K R R N G I I K K A K E I T V L C D

GCTAAAGTATCTTTATCATTATTCTAGCTCTGGGAAGATGGTTGAATACTGCAGCCCT  
 A K V S L I I Y S S S G K M V E Y C S P

TCAACTACGCTGACAGAAATCTTGGACAAATACCATGGACAATCTGGGAAGAAGTTGTGG  
 S T T L T E I L D K Y H G Q S G K K L W

GATGCTAAGCATGAGAACCTCAGCAATGAAGTGGATAGAGTCAAGAAAGACAATGACAGC  
 D A K H E N L S N E V D R V K K D N D S

↑ P4 →  
ATGCAAGTAGAGCTCAGGCATCTGAAGGGAGAGGATATCACATCATTGAACCATGTAGAG  
 M Q V E L R H L K G E D I T S L N H V E

↑  
 CTGATGGCCTTAGAGGAAGCACTTGAAAATGGCCTTACAAGTATCCGGGACAAGCACTCC  
 L M A L E E A L E N G L T S I R D K Q S

↑  
 AAGTTCGTCGACATGATGAGAGACAATGGAAAGGCACTGGAAGATGAGAATAAGCGCCTC  
 K F V D M M R D N G K A L E D E N K R L

↑  
 ACTTATGAGCTCAAAAAACAACAGGAGATGAAAAATAAAGAGAATGTGAGAAACATGGAA  
 T Y E L Q K Q Q E M K I K E N V R N M E

↑  
 AATGGGTATCATCAGAGGCAGCTGGGGAAGTACAACAACACAGCAGCAGATACCTTTT  
 N G Y H Q R Q L G N Y N N N Q Q Q I P F

P2 →  
 GCCTTCCGCGTGCAGCCTATTGAGCCAAATCTCCAGGAGAGAATCTAATTAGATATATCT  
 A F R V Q P I Q P N L Q E R I

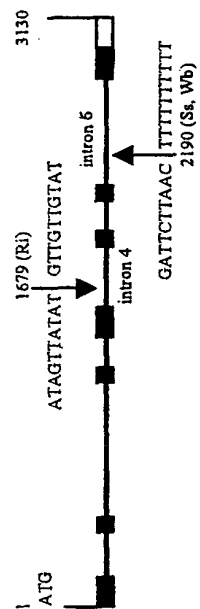
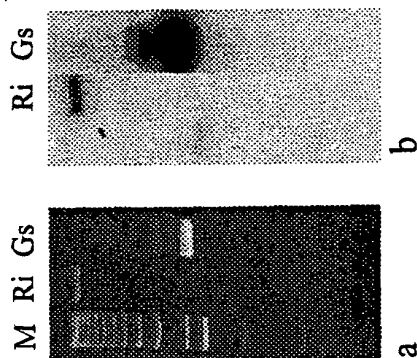
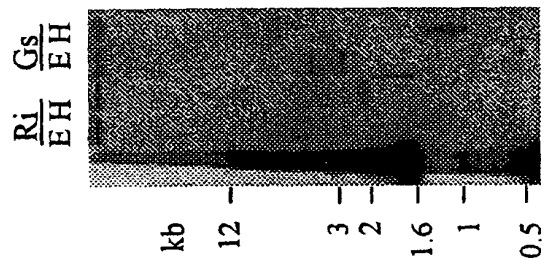
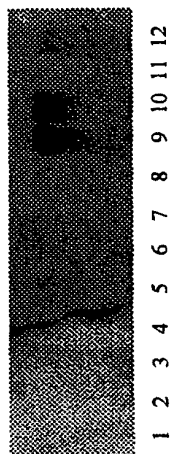
TGCATTGCGATGCTCTTTCTAACTAGTTATATTATCTCTCCACCTCTCTCTCTTTTCA  
 TCTGTCAAGGAGTTCTTAAGTTTATGTCAGATTTCCAATGGTTTGAATGGAATTAGCTT

CGTTATGAGGCTTTGTTGTGAACCTTGTAAATAATTAAGGCGTGCATGAATCGGTTTGTG  
 ← P7 ← p6

GGAAAAAAAAAAAAAAAAAAAA 868

← 3' RACE

Fig. 2



4/4

ATGGCGCGCGGGAAGATTGAAATCAAGCTGATCGAAAACAGACCAACAGGCAGGTGACC  
M A R G K I E I K L I E N Q T N R Q V T  
TACTCCAAGAGAAGAAATGGGATCTTCAAGAAGGCTCAGGAGCTCACCGTTCTCTGTGAT  
Y S K R R N G I F K K A Q E L T V L C D  
GCCAAGGTCTCCCTCATTATGCTCTCCAACACTAATAAAATGCACGAGTATATCAGCCCT  
A K V S L I M L S N T N K M H E Y I S P  
ACCACTACGACCAAGAGTATGTATGATGACTATCAGAAAATATGGGGATCGATCTGTGG  
T T T T K S M Y D D Y Q K T M G I D L W  
AGGACACACGAGGAGTCGATGAAAGACACCTTGTGGAAGTTGAAAGAGATCAACAATAAG  
R T H E E S M K D T L W K L K E I N N K  
CTGAGGAGAGAGATCAGGCAGAGGTTGGGCCATGATCTAAATGGCCTGAGCTTTGACGAG  
L R R E I R Q R L G H D L N G L S F D E  
CTGGCTTCTCTTGACGATGAGATGCAGTCTTCCTTGGATGCCATACGTCAAAGGAAGTAC  
L A S L D D E M Q S S L D A I R Q R K Y  
CATGTGATCAAACTCAGACGGAGACCACCAAGAAGAAGGTTAAGAACTTGGAGCAAAGA  
H V I K T Q T E T T K K K V K N L E Q R  
AGAGGAAACATGCTGCATGGCTATTTTGACCAGGAAGCAGCCGGCGAGGATCCACAGTAT  
R G N M L H G Y F D Q E A A G E D P Q Y  
GGTTATGAGGACAATGAGGGAGACTACGAATCTGCACTTGCAATGTCAAATGGGGCGAAT  
G Y E D N E G D Y E S A L A L S N G A N  
AACTTGACACTTTCCACCTCCACCACCCTAACCTCCACCACGAGGAAGCTCGCTCGGC  
N L Y T F H L H H P N L H H G G S S L G  
TCCTCCATTACTCATCTGCACGATCTCCGCCTTGCTTGATCGTGATCTGAGATATGATTA  
S S I T H L H D L R L A \*  
ATCATCACTAAGTTATATATTAAGGTCACTTATAACTGCTTTTGCTCTAAAGTGTGTTGCT  
TGGTGACTATCTTTAGGCAAGGAGTTAGACTTGGAATACCTCTGAAAACAGATGCATAAA  
TATGTGTGTGGTGTGTTTAAATCAATGATAGCACTAAAAAATCCGCGCCCTTGTGCTGTG  
GGGTTTGTGTTGATAATTAATACTTCTATTCTATATATATCATGGCAGACATTGCTTTTG  
ATAAAAAAAAAAAAAAAAAA 982

Fig. 6